

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Torben Søgaard-Andersen Confirmation No.: 5142  
Application No.: 10/537,713 Patent No.: 7,413,569 B2  
Filing Date: June 3, 2005 Patent Date: August 19, 2008  
For: IMPLANT Attorney Docket No.: 81421-4045

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.322**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Patentee hereby respectfully requests the issuance of a Certificate of Correction in connection with the above-identified patent. The corrections are listed on the attached Form PTO-1050. The corrections requested are as follows:

Title Page:

Item (86) PCT No., change "PCT/IL03/02889" to -- PCT/IB03/02889 --. Support for this change appears on the documents submitted with this 371 application and on the signed Declaration filed with the original application papers on June 3, 2005.

Column 5:

Line 3 (claim 1, last line), before "at least one thread", delete "or".

Column 6:

Line 2 (claim 12, line 9), before "at an anchoring end", insert -- of the outer ring --.

Line 5 (claim 13, line 2), before "embedded", insert -- anchored to the outer ring by being --; before "in the", insert -- directly --; before "outer ring", insert -- opening of the --; and before "at least one", delete "in" and insert -- by being attached to --.

Line 6 (claim 13, line 3), delete "or in both the outer ring and the at least one" and insert -- associated with the outer ring --.

Line 7 (claim 13, line 4), delete "anchoring link".

Claim 13 will then correctly appear as follows:

13. The implant according to claim 12, wherein an anchoring means is anchored to the outer ring by being embedded directly in the opening of the outer ring or by being attached to at least one anchoring link associated with the outer ring.

Line 17 (claim 17, line 8), before "via at least one", insert -- of the outer ring --.

The requested corrections are for errors made by the Office in the Notice of Allowance (where the word "or" was omitted) and as acknowledged in the Supplemental Notice of Allowance that was received after the issue fee was paid as to the correct priority application number.

The changes to application claims 16-18 (patent claims 15-17) were agreed to in a telephone conference between the undersigned and the Examiner. A copy of the document that incorporated those changes was e-mailed to the Examiner and a copy is enclosed. It is believed that these changes should have appeared in the Supplemental Notice of Allowance in place of the specification amendments which were not discussed with the Examiner and which do not apply to the present application. Accordingly, the entry of this certificate of correction will correct the record to the actual events that transpired.

Therefore, no fee is believed to be due for this request. Should any fees be required, however, please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814. Please issue a Certificate of Correction in due course.

Respectfully submitted,

8-26-08  
Date

  
\_\_\_\_\_  
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212-294-3311

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,413,569 B2  
APPLICATION NO. : 10/537,713  
DATED: : August 19, 2008  
INVENTOR(S) : Søgaard-Andersen

Page 1 of 1

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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Item (86) PCT No., change "PCT/IL03/02889" to -- PCT/IB03/02889 --.

Column 5:

Line 3 (claim 1, last line), before "at least one thread", delete "or".

Column 6:

Line 2 (claim 12, line 9), before "at an anchoring end", insert -- of the outer ring --.

Line 5 (claim 13, line 2), before "embedded", insert -- anchored to the outer ring by being --;

before "in the", insert -- directly --; before "outer ring", insert -- opening of the --; and

before "at least one", delete "in" and insert -- by being attached to --.

Line 6 (claim 13, line 3), delete "or in both the outer ring and the at least one" and insert -- associated with the outer ring --.

Line 7 (claim 13, line 4), delete "anchoring link".

Claim 13 will then correctly appear as follows:

13. The implant according to claim 12, wherein an anchoring means is anchored to the outer ring by being embedded directly in the opening of the outer ring or by being attached to at least one anchoring link associated with the outer ring.

Line 17 (claim 17, line 8), before "via at least one", insert -- of the outer ring --.

**From:** Fanucci, Allan  
**Sent:** Thursday, June 12, 2008 12:30 PM  
**To:** 'Suzette.Gherbi@USPTO.gov'  
**Subject:** SN 10/537,713 proposed claim amendments for discussion

**Attachments:** Doc2.doc



Doc2.doc (25 KB)

16. (Currently Amended) An implant for implantation into an animal or a human body for preventing herniation, comprising an outer ring, an inner ring that is arranged in the outer ring about a joint axis, and a number of connecting links extending between the outer ring and the inner ring, wherein the inner ring has an outside diameter and the outer ring has an inside diameter that is larger than the outside diameter of the inner ring, and at least one elongated anchoring means secured in at least one opening of the outer ring at an anchoring end and extending outwards from the at least one opening to a free end.

17. (Currently Amended) An implant for implantation into an animal or a human body for preventing herniation, comprising an outer ring, an inner ring that is arranged in the outer ring about a joint axis, and a number of connecting links extending between the outer ring and the inner ring, wherein the inner ring has an outside diameter and the outer ring has an inside diameter that is larger than the outside diameter of the inner ring, and wherein an anchoring means is secured in an opening of the outer ring via at least one thread extending out from the anchoring end of the anchoring means.

18. (Currently Amended) The implant according to claim 16, wherein an anchoring means is anchored to the outer ring by being embedded directly in the opening of the outer ring or by being attached to in at least one anchoring link associated with the outer ring or in both the outer ring and the at least one anchoring link.



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(12) **United States Patent**  
**Søgaard-Andersen**

(10) **Patent No.:** **US 7,413,569 B2**  
(45) **Date of Patent:** **Aug. 19, 2008**

(54) **IMPLANT**

(75) **Inventor:** **Torben Søgaard-Andersen, Draguignan (FR)**  
(73) **Assignee:** **Nortec Medical Development S.A., Luxembourg (LU)**  
(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 309 days.

(21) **Appl. No.:** **10/537,713**(22) **PCT Filed:** **Jul. 21, 2003**(86) **PCT No.:** ~~PCT/EP03/02889~~**PCT/IB03/02889**

§ 371 (c)(1),

(2), (4) **Date:** **Jun. 3, 2005**(87) **PCT Pub. No.:** **WO2004/010897****PCT Pub. Date:** **Feb. 5, 2004**(65) **Prior Publication Data**

US 2006/0235543 A1 Oct. 19, 2006

(30) **Foreign Application Priority Data**Jul. 25, 2002 (DK) ..... PA 2002 01137  
Sep. 18, 2002 (DK) ..... PA 2002 01376(51) **Int. Cl.****A61B 17/08** (2006.01)  
**A61F 2/02** (2006.01)(52) **U.S. Cl.** ..... **606/151; 623/23.74;**  
(58) **Field of Classification Search** ... **623/23.64-23.74; 606/151**

See application file for complete search history.

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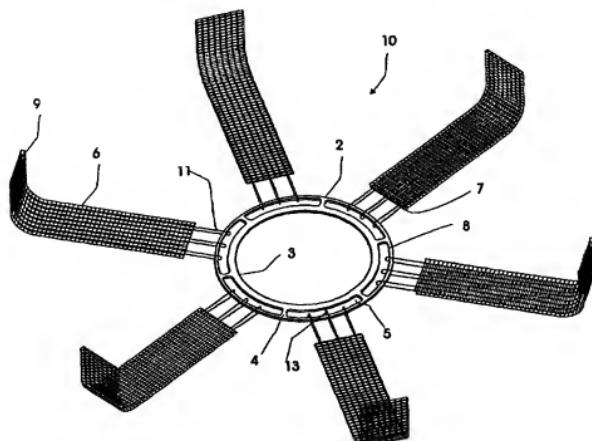
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*Primary Examiner*—Suzette J Gherbi(74) *Attorney, Agent, or Firm*—Winston & Strawn LLP(57) **ABSTRACT**

An implant serving for surrounding e.g. an intestine on hypodermal implantation in an animal or a human body. The implant includes an outer ring, an inner ring arranged in the outer ring about a joint axis, and a number of anchoring links extending between the outer ring and the inner ring. The inner ring, outer ring and two successive connecting links define an opening in which an anchoring means is secured. The free end of the anchoring means is anchored in fascia. The preferred application for the implant is prophylactic and therapeutic treatment of a hernia, especially a hernia originating from an enterostomy.

**17 Claims, 5 Drawing Sheets**

diameter and the outer ring has an inside diameter that is larger than the outside diameter of the inner ring, wherein a connecting link comprises at least one thread.

2. The implant according to claim 1, wherein the connecting links are distributed at a mutual angular distance along a ring and jointly forming a number of openings between the inner ring and the outer ring.

3. The implant according to claim 1, wherein the inner ring has a larger axial thickness than the outer ring.

4. The implant according to claim 1, made of a biocompatible material.

5. The implant according to claim 1, wherein the rings each have a radial extent that is smaller than 5 mm.

6. The implant according to claim 5, wherein the radial extent of the rings is smaller than 4 mm.

7. The implant according to claim 5, wherein the radial extent of the rings is smaller than 3 mm.

8. A method for prophylactic or therapeutic treatment of a hernia at a stomy which comprises introducing the implant according to claim 1 on hypodermal implantation in an animal or a human body.

9. The method of claim 8 wherein the implant is applied to the intestine of the animal or human.

10. The implant of claim 1, which is flat in the operative position.

11. The implant of claim 1, wherein the inner and outer rings are located in the same plane.

12. An implant for implantation into an animal or a human body for preventing herniation, comprising an outer ring, an inner ring that is arranged in the outer ring about a joint axis, and a number of connecting links extending between the outer ring and the inner ring, wherein the inner ring has an outside diameter and the outer ring has an inside diameter that is larger than the outside diameter of the inner ring, and at least

*of the outer ring*

*6 anchored to the outer ring by being*

one elongated anchoring means secured in at least one opening in an anchoring end and extending outwards from the at least one opening to a free end.

*directly opening of the*

5 13. The implant according to claim 12, wherein an anchoring means is embedded in the outer ring or at least one anchoring link in both the outer ring and the at least one anchoring link *associated with the outer ring* attached to

14. The implant according to claim 12, wherein a connecting link comprises at least one rod or at least one thread.

15. An implant for implantation into an animal or a human body for preventing herniation, comprising an outer ring, an inner ring that is arranged in the outer ring about a joint axis, and a number of connecting links extending between the outer ring and the inner ring, wherein the inner ring has an outside diameter and the outer ring has an inside diameter that is larger than the outside diameter of the inner ring, and wherein an anchoring means is secured in an opening via at least one thread extending out from the anchoring end of the anchoring means.

16. An implant for implantation into an animal or a human body for preventing herniation, comprising an outer ring, an inner ring that is arranged in the outer ring about a joint axis, and a number of connecting links extending between the outer ring and the inner ring, wherein the inner ring has an outside diameter and the outer ring has an inside diameter that is larger than the outside diameter of the inner ring, and at least one elongated anchoring means partly extending between two adjacent openings and partly extending outwards from the inner ring via the outer ring to a free end, the section of the outer ring extending between the two openings being integrated in an anchoring means.

17. The implant according to claim 16, which forms a total flexible mesh.

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